

PATENT ABSTRACTS OF JAPAN

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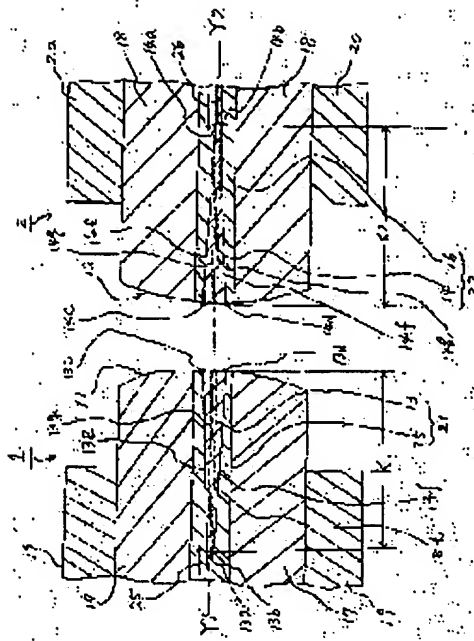
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(54) OPTICAL FIBER CONNECTING METHOD



(57)Abstract:

PROBLEM TO BE SOLVED: To solve such a conventional problem of an optical fiber connecting method using an optical connector holding optical fibers, that the method is unusable for a laser light source of a watt class output because of disconnection due to a burning or a fiber fuse phenomenon although the method has been applicable to the laser beam transmission of an ordinary power.

SOLUTION: A core expanding fiber is used at the end of an optical connector on both sides to be connected, thereby enabling a laser beam of one watt or above

to be transmitted by means of the optical connector. It can surely bring good results by selecting conditions of connector end faces or core expanding areas.

LEGAL STATUS

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